

Sent: Monday, January 25, 2016 3:13 PM
To: NDSU-EMPLOYEE-OFFICIAL@LISTSERV.NODAK.EDU
Subject: RCA Update - Jan. 25 edition



Welcome to the Research and Creative Activity Update!

To share information quickly rather than through multiple emails, we will be providing weekly updates for researchers, scholars and staff to keep up-to-date on grant program changes, deadlines, notices and training, with links to expand the information you may be interested in. Thank you for your contributions to research and creative activity at NDSU. These weekly email updates are archived on the [RCA Website](#).

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IRB Training Scheduled

An IRB Training session has been scheduled for January 28, 2016 from 3:00 to 4:00 p.m. in the Meadow Lark Room of the Memorial Union. Please register at: <https://apps.ndsu.edu/event-registration/organizerevents/SecurityGroup::1001>.

Save the Date for these Upcoming Gear up for Grants Events:

March 22, 2016: Developing Evaluation Plans for Grant Proposals

NDSU faculty Shannon David and Jim Deal will give a seminar on developing evaluation plans for grant proposals. Dr. David is an Assistant Professor in Health, Nutrition and Exercise Science and holds a PhD in Educational Research and Evaluation. Dr. Deal is the Interim Director of the NDSU Center for Social Research and Professor in Human Development and Family Science.

March 31, 2016: Broader Impacts Workshop

Amy Pratt, Associate Director of Northwestern University's Office of STEM Education Partnerships and a member of the National Alliance for Broader Impacts (NABI) steering committee, will give a workshop on Broader Impacts. Broader Impacts is one of two criteria employed by the National Science Foundation (NSF) in the merit review of proposals, and is meant to help assess the potential of the proposed activity to benefit society and contribute to the achievement of specific, desired social outcomes. For more information, consult the [NSF Grant Proposal Guide](#) and the [NABI Broader Impacts Guiding Principles and Questions](#) document. Note that many other funding agencies also promote activities related to "broader impacts," though the terminology may be different.

April 20, 2016: Sponsored Programs: The How, What, Why, and Where

Sponsored Programs Administration staff will provide information on NDSU research administration policies, procedures, budget development, proposal processing, and the award lifecycle. Meet Sponsored Programs staff and learn about resources and tools available to assist with your grant activities. This session is geared toward new faculty or those who are looking for a refresher on these topics.

May 18, 2016: NSF Day at NDSU

NSF Days provide insight and instruction on how to compete for NSF funding for science, engineering and education research. These day-long workshops provide background on the foundation, its mission, priorities, and budget. Program managers and staff give an overview on proposal writing; programs that fall within and across NSF's seven scientific and engineering directorates; and NSF's merit review process, considered the gold standard worldwide for how funding decisions are made. NSF representatives are on hand all day to answer questions and to host discipline-specific breakout sessions to personally engage in discussions with attendees.

Life Cycle of the Award Series

Award Negotiation and Acceptance – 3 Part Series*

The Award Negotiation and Acceptance webinar is a three-part series that focuses on negotiating with a sponsor, identifying problematic contract terms and conditions, and navigating solutions that will satisfy both your sponsor and your institution.

- Part 2, January 27, 2016. 1:00pm – 2:30pm: Century Theater, Memorial Union
- Part 3, February 3, 2016. 1:00pm – 2:30pm: Research 1, Room 148/154

* You may attend parts 2 & 3 even if you did not attend part 1. Part 1 was held early afternoon on Jan. 20, 2016. If you are interested in information from Part 1 or from any of the webinars in this training series, the Life Cycle of Awards videos and training materials are available through Moodle Learning Systems

<https://community.ndus.edu/login/index.php>. When signing in, please use your NDUS username and password. If you have questions please contact SPA, 231-8045. For more information on this series, click [here](#).

ECE 470/670 Lab Taught at Research 2

NDSU electrical and computer engineering students had an opportunity for hands on learning through RCA Research Operations during their fall semester while enrolled in ECE470/670 Digital Systems II and Fault Tolerant Design. ECE 470/670 examines in depth theories and techniques for reliable digital circuits and systems. The overall course objective is to teach electrical and computer engineering students the fundamental concepts of testing and reliability, methods of modeling and analysis of faults, and design for testability of digital circuits and systems. Students toured the clean room labs of Research 2 and learned how a cleanroom designed for chip scale packaging and electronics assembly is crucial when building electronic devices. Students also assembled and characterized working circuits which were then subjected to a battery of real world reliability testing.

ECE 470/670 is taught by assistant professor Dr. Na Gong of the NDSU electrical engineering department. Dr. Na Gong is currently an Assistant Professor in the Department of Electrical and Computer Engineering at [North Dakota State University](#). The lab portion of the class was taught by Mr. Fred Haring, Fabrication Technician at Research 2. For more

information on the class, reliability testing services or clean room assembly services, please contact Na Gong (1-8647 or na.gong@ndsu.edu) or Fred Haring (1-5336 or Frederik.haring@ndsu.edu).

The Reliability Test and Failure Analysis Laboratory in R2 provides reliability testing services to the scholastic and industrial community.



Technology Manager - New Hire in Technology Transfer Office

Henry Nowak joined the NDSU Technology Transfer Office in December, 2015. Henry is responsible for a portfolio of technologies resulting from research activities as NDSU, including intellectual property evaluation, marketing, negotiating and drafting agreements, and monitoring agreement performance. He also supports the Director of Technology Transfer to promote entrepreneurial development of university technologies. Henry has previously worked in technology transfer at the University of North Carolina, Utah State, and Colorado State. He also has extensive industry experience in both large and small companies and is a patent attorney. To read his complete bio, please go [here](#).

Henry can be reached at (1-8173 or henry.nowak@ndsu.edu)

NIH – Implementing Rigor and Transparency in NIH & AHRQ Research Grant Applications

A reminder to anyone preparing grant applications to the National Institutes of Health (NIH) or the Agency for Healthcare Research and Quality (AHRQ) – there are revised application instructions for grant applications due on or after Jan. 25, 2016. In an effort to enhance scientific rigor in conducting biomedical research, NIH and AHRQ have identified four areas deemed important for enhancing rigor and transparency: (1) the scientific premise of the proposed research; (2) rigorous experimental design for robust and unbiased results; (3) consideration of relevant biological variables; and (4) authentication of key biological and/or chemical resources. Additional information can be found at: <http://grants.nih.gov/reproducibility/index.htm>. FAQs concerning this can be found at: <http://grants.nih.gov/reproducibility/faqs.htm#4715>

NSF CAREER Proposal Development Program

The Research Development Office is implementing a pilot initiative for faculty interested in applying to the NSF CAREER program. The initiative will consist of group and one-on-one sessions to assist in the development of the proposal, leading up to the application deadline in late July. Topics and assistance will cover:

- Review of NSF Solicitation Requirements
- Q&A Session with current NDSU NSF CAREER Awardees

- Budget development assistance
- Tools and resources for development of broader impact initiatives and program evaluation
- Proposal editing
- Assistance with supplementary documents and compliance with the solicitation

If you are interested in the NSF CAREER program and would like to participate in this initiative, please email: ndsu.researchdev@ndsu.edu.

Feb. 16 Deadline - Sanford Health NDSU Collaborative Seed Grant Program

The second Sanford Health NDSU Collaborative Seed Grant program's Request for Applications has been issued. Proposals are to be submitted electronically to NDSU.BusinessDev@ndsu.edu by 5:00 PM on February 16, 2016. The full Request for Applications and Application form can be downloaded from https://www.ndsu.edu/research/research_development/funding_opportunities/.

Questions regarding suitability of topic areas, collaborating with Sanford or other program related questions can be addressed by Business Development (1-6660 or NDSU.businessdev@ndsu.edu).

You are receiving this notification through the NDSU official staff or faculty listserv or sub-list. The official listserv refreshes after each pay period.

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